

11. (Once Amended) A method according to claim 8, wherein the cell is an oocyte, an oviduct cell, an ovarian cell, an ovum, an oogonium, a zygote, an ES cell, a blastocyte, a spermatocyte, a spermatid, a spermatozoa, or a spermatogonia.

12. (Once Amended) A method according to claim 1, wherein the cell is from an animal, or a yeast.

17. (Once Amended) A method according to claim 1, wherein the lentiviral expression vector is pseudotyped.

18. (Once Amended) A method according to claim 1, wherein the lentiviral expression vector does not contain any functional accessory genes.

19. (Once Amended) A method according to claim 1, wherein the NOI is operably linked to a constitutive, tissue-specific or an inducible promotor.

20. (Once Amended) A method according to claim 1, wherein the NOI encodes a therapeutic protein, is an antisense oligonucleotide, or encodes a ribozyme.

21. (Once Amended) A method according to claim 1, wherein the lentiviral expression vector is introduced into the cell via the umbilical cord, placenta, or amniotic fluid, uterus, gonads, or by intraperitoneal or intrahepatic administration.

23. (Once Amended) A transgenic cell produced by the method of claim 1.

24. (Once Amended) A transgenic organism which is generated from or obtainable by generation from a transgenic cell as defined in claim 1.